

Arnitel® EL430
Envalior - Thermoplastic Copolyester Elastomer
General Information
Product Description

Injection Molding, Food Contact Quality

General

Material Status	• Commercial: Active
Availability	• Africa & Middle East • Europe • North America • Asia Pacific • Latin America
Features	• Food Contact Acceptable
Processing Method	• Injection Molding
Resin ID	• TPC-ET

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density	1.13	g/cm ³	ISO 1183
Melt Volume-Flow Rate (MVR) (230°C/2.16 kg)	33	cm ³ /10min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	6820	psi	ISO 527-1
Tensile Stress (Break)	2610	psi	ISO 527-2
Tensile Strain (Break)	• > 50 % • > 300		ISO 527-2
Nominal Tensile Strain at Break	• > 50 % • 790		ISO 527-2
Hardness	Nominal Value	Unit	Test Method
Shore Hardness			ISO 868
Shore A, 3 sec	92		
Shore D, 3 sec	33		
Thermal	Nominal Value	Unit	Test Method
Glass Transition Temperature ²	-72.4	°F	ASTM D5026/D7028
Melting Temperature ³	320	°F	ISO 11357-3

Notes
¹ Typical properties: these are not to be construed as specifications.

² from DMTA (tan d)

³ 10°C/min
